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GRADUATE STUDY

in Extension Education

in
Land-Grant Colleges
and
Universities

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UNITED STATES DEPARTMENT OF AGRICULTURE

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GRADUATE STUDY in Extension Education in Land-Grant Colleges and Universities

WHY THIS BULLETIN?

More and more extension workers are undertaking graduate study. One area of study which students may choose is extension education.

This bulletin is for you if you are considering doing graduate work in extension education.

In it you will find a brief description of the general graduate requirements, course offerings, approximate tuition and living expenses, fellowships, and assistantships available in extension education programs in land-grant colleges and universities. You will also find suggestions for living accommodations and extracurricular attractions at these universities.

You may want to supplement what is provided in this bulletin with specific information obtained by writing to the schools that interest you.

This bulletin presents the 1962 status of the described programs. Course offerings may be changed from year to year, or more fellowships and assistantships may become available. Tuition and registration fees are likely to increase. Other universities may establish graduate programs in Extension Education.

Living expenses as listed here are only estimates of room and board. Each individual's expenses could vary widely from the amounts we have listed.

We wish to say a special "Thank you" to the State extension personnel who provided the information for this publication.

And to the extension worker who is beginning the exciting adventure of graduate study, we wish to say "Congratulations and best wishes."

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2a
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UNIVERSITY OF ARIZONA, Tucson

Programs of study leading to the master's degree with a major in Agricultural Extension are offered by the Graduate College at the University of Arizona. Two plans as described below are available to students.

General Requirements

A. Master of Agricultural Education

1. Thirty-two semester credits including 24 credits in residence. (Six credits may be transferred from other accredited graduate schools or approved off-campus courses.)
2. A thesis is not required but the candidate completes a research problem related to the major field of study.
3. One year or more of experience in teaching, extension, or similar approved educational work.
4. Courses completed within a period of 6 years carry full credit toward degree requirements. Credits older than 6 years and less than 10 count for one-half the original credit.
5. The major field of study for this degree shall consist of 20 or more credits in agricultural education and agriculture with a minimum of 12 credits in agricultural education including one or more courses in each of the following areas: Philosophy and principles of extension education; program planning and evaluation in extension; communications; research and studies in agricultural education.
6. Courses for the supporting group may be selected in accordance with the student's needs from any department in the College of Agriculture, or from Anthropology, Business Administration, Economics, Education, Government, Home Economics, Marketing, Psychology, Public Administration, and Sociology.
7. Written and oral examinations are required.

B. Master of Science*

The requirements for this degree are the same as those for the degree Master of Agricultural Education with the following exceptions:

1. Thirty semester credits, including a thesis instead of a problem, are required. (Thesis work may be done in absentia.)
2. No professional experience is required for this degree.

Admission to Graduate College is open to persons who hold the bachelor's degree from the University of Arizona or from a college or university approved by the University of Arizona. Admission is granted only after approval of the candidate's previous academic record. Additional undergraduate courses may be required when previous work has not approximated the general requirements for the corresponding bachelor's degree at the University of Arizona or the special requirements for the field in which the candidate proposes to specialize.

Students who meet the requirements will be admitted to regular graduate status to undertake work leading to an advanced degree.

*In addition to these two types of programs, similar programs are offered in the School of Home Economics leading to the degrees Master of Science and Master of Home Economics Education.

Students who do not wish to pursue a degree program, or those who are seriously deficient in course prerequisites, or slightly deficient in previous academic grade average may be admitted to unclassified graduate status. Unclassified graduate students may earn graduate credit as their qualifications and performance warrant; but no student may later apply toward an advanced degree more than six units earned as an unclassified student.

Students whose academic grade average is slightly deficient may be admitted on a provisional basis. This status may be changed to full graduate standing upon completion of 12 credits of graduate study with a grade average of *B* or better.

Course Requirements

The following graduate courses for personnel in agricultural extension are offered during the regular term:

<i>Course</i>		<i>Credits</i>
Agricultural Education 252	Philosophy and Principles of Extension Education	2
Agricultural Education 299	Special Problems	1-5
Agricultural Education 315	Investigations and Studies in Agricultural Education	2
Agricultural Education 330	The Role of Agricultural Extension Specialists	2
Agricultural Education 399	Seminar	1-2

From two to four additional professional courses in extension are offered each year according to needs, during the Western Regional Winter School in February.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension . .	0
Annual worth of fellowship	
Number of teaching and research assistantships for Extension majors	0
Average stipend for assistantships	
Tuition and registration fees (per semester)	\$100
Tuition and registration fees for nonresidents (per semester)	\$400
Living expenses (per semester)	\$360

Living Accommodations

Graduate students during the regular school term assume responsibility for their own living arrangements but in case of vacancies may apply to the dean of men or dean of women for residence hall accommodations. A limited number of temporary dwelling units are available for married veterans who are enrolled for 10 or more units of regular University work; at the present time there is a waiting list. Application can be made with the Department of Student Housing after the student has registered. This department maintains listings of off-campus accommodations. These are not compiled for mailing. It is advised that accommodations be inspected before definite agreements are made with the householder.

During the summer session air-conditioned dormitory accommodations for men and women are provided on the campus. Married couples are housed in dormitory rooms when there is sufficient demand.

The university operates two fountains and three dining halls in the Student Union Memorial Building under the management of a trained dietitian. The service is cafeteria style.

Miscellaneous Information

The University of Arizona offers a wide range of courses and other educational and cultural opportunities of interest to persons in the field of extension education. Through the Cooperative Extension Service, the Agricultural Experiment Station, and other university departments and services, research facilities are available to graduate students both on the campus and in the field. The University Artist Series, Art Gallery, State Museum, Tucson Sunday Evening Forum, Tucson Symphony Orchestra, lectures, recitals, and special library collections are some of the cultural attractions on the campus.

The mild winter climate of the Tucson area is conducive to many outdoor recreational activities in addition to those of a typical college campus. Historical, scenic, and other places of interest are within easy driving range. Tucson is only 65 miles from the border of Mexico.

UNIVERSITY OF CALIFORNIA, Davis

The major graduate program on this campus for extension workers is the Master of Education. Since it is a professional degree the primary objective of the instructional program is to increase professional competence. Two options are provided: one for agricultural teachers who hold or qualify for a teaching credential; the other for agricultural extension workers and noncertificated teachers of agriculture.

General Requirements

1. Qualify for admission to the Graduate Division of the university. (See announcement of the Graduate Division, Northern Section.)
2. Hold, or qualify for, a California teaching credential in agriculture; or complete equivalent preparation including nine units of approved course work in education.
3. Complete two semesters in graduate residence, one semester of which must be taken after advancement to candidacy. (Two 6-week summer sessions are the equivalent of one semester of residence.)
4. Complete in graduate status 24 units of graduate, upper division, and professional course work, which must include at least nine units in education courses and 14 units in agricultural courses.
5. Complete as a part of the education courses at least two units of graduate seminar in education.
6. Maintain a scholarship average of *B* in all work undertaken in graduate standing.
7. Pass an oral comprehensive examination in education and in at least one field of specialization in agriculture.
8. Present evidence of at least 1 year of successful professional experience in the field of agricultural education or agricultural extension before the degree is granted.

Course Requirements and Electives

At the graduate level, candidates for the Master of Education degree must complete nine units of preparatory course work as follows:

<i>Course</i>		<i>Units</i>
Education 110	Educational Psychology	3
Agricultural Education 187	Extension Education in Agriculture and Home Economics	2
Agricultural Education 189	Group Processes and Group Leadership .	2
Agricultural Education 320b	Audiovisual Education	2

The nine units of education courses may include:

Agricultural Education 188	Technical Journalism	3
Agricultural Education 198	Directed Group Study	2
Agricultural Education 199	Special Problems and Individual Study .	1-5
Agricultural Education 290	Seminar in Agricultural Education . . .	1
Agricultural Education 299	Research in Agricultural Education . . .	1-6

Each candidate must complete 14 units of agricultural courses selected from not more than two majors in the College of Agriculture.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension .	0
Annual worth of fellowship	0
Number of teaching and research assistantships for Extension majors	0
Average stipend for assistantships	
Tuition and registration fees (per semester)	\$62. 50
Tuition and registration fees for nonresidents (per semester)	\$250. 00
Living expenses (average per semester)	\$500

Living Accommodations

The university maintains residence halls and dining units for men and women, and apartments for married students. A housing office on the campus will help students find suitable apartments or rooms. Board and room in the university residence halls costs about \$420 a semester.

Miscellaneous Information

The Davis campus is the principal center of teaching and research of the University of California College of Agriculture. Scientists known throughout the world as leaders in their fields are on the teaching staff. Classes are small and informal, faculty and students are friendly, laboratory and field facilities are excellent. Accessible to the student are commercial operations in most of California's 200 crops, in addition to the university's broad agricultural experiment program on the 3,000-acre Davis campus and statewide network of field stations. The campus adjoins the city of Davis (population 9,500). Sacramento, the state capital, is 13 miles to the east, while Berkeley and San Francisco are within 1½ hours by highway.

Lectures, plays, and musical programs are included in the cultural attractions on the campus.

COLORADO STATE UNIVERSITY, Fort Collins

The Graduate School at Colorado State University offers a Master of Education degree with a major in extension education. Two plans are available to candidates for this degree. Descriptions of these plans are shown below.

General Requirements

Plan A—With a Thesis

1. A minimum of 45 quarter credits of graduate work in an approved course of study.
2. A minimum of 36 quarter credits in classes on the campus and 24 weeks of campus residence.
3. A minimum of 21 quarter credits in the 200 series.
4. A thesis. No credit is granted although 15 credits may be earned in the research courses in which the thesis is developed.
5. Exploratory and/or qualifying examinations as required by the department.
6. A final comprehensive examination.

Plan B—Without a Thesis

1. A minimum of 45 quarter credits of graduate work in an approved course of study.
2. A minimum of 36 quarter credits in classes on the campus and 24 weeks of campus residence.
3. A minimum of 21 quarter credits in the 200 series.
4. A "Research Methods" course such as Education 225, Vocational Education 225, or equivalent.
5. Special papers as required by the department.
6. Exploratory and/or qualifying examinations as required by the department.
7. A final comprehensive examination.

An application for admission to the Graduate School and two copies of official transcripts of all previous college work must be submitted to the dean of the Graduate School before a permit to register for an advanced degree is granted. To complete his work the graduate student must have an average grade of *B*. No grade below *C* will count toward a degree.

Residence requirements are usually satisfied in one of two ways:

1. Attendance at two quarters beginning in January plus 10 weeks in summer sessions.
2. Attendance at three quarters beginning in September plus one 3-week summer session.

Course Requirements and Electives

Required subjects for the Master of Education degree with a major in extension education are:

<i>Course</i>	<i>Credit</i>
Extension 269—Advanced Extension Principles and Techniques	4
Extension 271—Advanced Extension Practicums	3–5
Extension 286—Extension Organization and Program Development	3
Extension 289—Extension Leader Training	4
Extension 225—Methods of Research in Extension Education	3
Three years Extension experience	2

The student is expected to plan his program of studies in consultation with his major professor. Electives may be selected from among other courses offered in extension education and graduate courses in the technical fields of agriculture and home economics.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension . . .	0
Annual worth of fellowship	0
Number of teaching and research assistantships for Extension majors	0
Average stipend for assistantships	\$80
Tuition and registration fees (per quarter)	\$220
Tuition and registration fees for nonresidents (per quarter)	\$240
Living expenses (average per quarter)	

Living Accommodations

Adequate housing for men and women students is available on the campus or in private homes. Housing for married students is limited and, for those with large families, even more difficult to obtain. Newsom Hall, a new dormitory, was assigned to the Extension Summer School in 1958. Its facilities for lodging, meals, group conferences, reading rooms, and entertainment provide excellent opportunities for all Extension students and faculty to become well acquainted. Sheets, pillowslips, blankets, and towels are furnished. Rates for meals and lodging in the dormitory are \$102 for 3 weeks single, \$90 double.

A 150-unit new housing project for married students is located on campus. It is furnished and preference is given to veterans and families with children. Rent is approximately \$85 a month. The housing office maintains a listing of available approved housing for students in private homes. Applications and further information about living accommodations may be secured from the Director of Housing, Colorado State University, Fort Collins, Colo.

Miscellaneous Information

Colorado State University is located at the foot of the Rocky Mountains in northern Colorado. In addition to the 365-acre main campus, the institution owns 2,200 acres of adjoining or nearby land. This land is used for experimental studies in field crops, vegetable crops, native range and irrigated pastures, use of water, forestry, soil improvement, and breeding and feeding of livestock. Included are a poultry farm, a dairy, and an agronomy farm. Herds and flocks of leading breeds of beef and dairy cattle, hogs, sheep, and poultry are maintained.

Rocky Mountain National Park and the village of Estes Park are but 45 minutes from the campus. Fishing, hiking, sightseeing, swimming, water skiing, rodeos, and visits to Colorado's historic mining and ghost towns provide a pleasant diversion. For persons interested in drama, the Town and Gown summer theater offers many opportunities.

UNIVERSITY OF FLORIDA, Gainesville

The Graduate School at the University of Florida offers a Master of Agriculture with a major in agricultural extension. The present M.A. in agricultural extension is a non-thesis degree requiring 36 semester hours of course work.

General Requirements

1. Qualify for admission to the Graduate School and the College of Agriculture.
2. Complete two semesters in graduate residence or equivalent. Four 8-week summer sessions will satisfy the residence requirement.
3. A comprehensive written qualifying examination, given by the supervisory committee, is required before the beginning of the second semester of work.
4. A final oral examination by the supervisory committee covering the whole field of study is given during the last semester.
5. A minimum of 36 semester hours of course work in an approved course of study.
6. At least 18 semester hours must be designated strictly for graduates.
7. At least 12 of the 18 hours must be in the major department.

Course Requirements and Electives

<i>Course</i>	<i>Credit</i>
AXT 301 Rural Leadership	3
AXT 407 Agricultural Extension Youth Programs	3
AXT 421 Problems in Agricultural Extension	3-6
AXT 601 Advance Rural Leadership	1½-6
AXT 604 Group Action	1½
AXT 621 Research Methods and Evaluation	3-6

The student plans his program of studies in consultation with his major professor and members of his supervisory committee. Electives may be selected from among other courses offered in the College of Arts and Sciences, College of Education, and courses in the technical field of agriculture.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension . .	1
Annual worth of fellowship	\$1, 500
Number of teaching and research assistantships for Extension majors	1
Average stipend for assistantships	\$1, 800
Average tuition and registration fee (per semester)	\$113
Tuition and registration for nonresidents (per semester)	\$288
Living expenses (average per semester)	\$300

Living Accommodations

The university maintains residence halls and dining facilities for men and women and apartments for married students. The University Office of the Director of Housing will assist students in finding suitable rooms or apartments. Rooms in the various residence halls average \$100 per semester per student. Food costs from \$2 to \$2.50 per day. Room and board together average \$300 per semester.

Miscellaneous Information

The University of Florida is located in Gainesville, a city of approximately 45,000, excluding University of Florida students. Situated in north-central Florida, midway between the Atlantic Ocean and the Gulf of Mexico, the city is known as an agricultural and small industrial center.

In addition to a moderate climate, Gainesville offers many other advantages to students of the University. A golf course is within easy reach of the campus, and swimming and boating accommodations are available at nearby springs and rivers. The lakes in the vicinity abound in fresh

water fish, while the Atlantic Ocean and the Gulf of Mexico are within a two hours' drive. As the seat of Alachua County, the city is the focal point of diversified industrial and farming activities.

UNIVERSITY OF GEORGIA, Athens

The University of Georgia offers the professional degree, Master of Agricultural Extension, to candidates in the field of rural adult education. The program of study leading to the degree is specifically designed to meet the expanded training needs of county Extension workers.

Objectives of the program are (1) to provide candidates with a broad background of training in human relations and the social sciences and (2) to provide opportunities for further qualification in the technologies of agriculture and home economics.

General Requirements

1. *Admission:* In order to earn graduate credit a student must be formally admitted to the graduate school. A minimum undergraduate average of *B* from a properly accredited college or university is required.
2. *Foreign language:* None.
3. *Graduate record examination:* All students seeking advanced degrees must take the graduate record examination. It should be taken during the first quarter in residence.
4. *Scholastic standing:* An average of *B+* must be maintained. No grade below *C* will be accepted.
5. *Examinations:* In addition to all examinations required for admission and all examinations on the courses taken, the candidate must pass an oral examination covering his total program. This examination is to be conducted by a committee appointed by the dean of the Graduate School.
6. *Minimum residence:* Three quarters.
7. *Time limit:* All work credited toward the Master's degree must be completed in 6 years. Extensions may be granted only on conditions beyond the control of the individual.
8. *Transfer of credit:* A maximum of 10 hours of credit may be transferred. However, such credit must be appropriate to the student's individual program and cannot reduce the residence requirements to less than 30 weeks.
9. *Correspondence:* Credit is not allowed for work taken by correspondence.
10. *Training and experience:* Qualifications for employment as a county agricultural or home demonstration agent (BSA, BSF, or BSHE degree) plus at least 1 year of successful extension or closely related field experience in agriculture or home economics.
11. General requirements for professional Master's degrees are given in greater detail in the Graduate School Bulletin available on request from the dean of the Graduate School, the University of Georgia.

Course Requirements and Electives

A program of approved courses totaling 55 quarter hours to include the following:

<i>Course</i>	<i>Credit</i>
1. Agricultural Extension	10
Agricultural Extension 707, Program Building in Extension.	
Agricultural Extension 708, Agricultural Extension Administration.	
2. Agriculture and/or Home Economics subject matter	15
3. Social Sciences	10
4. Communications (in the School of Journalism)	10
5. Electives	10
(Electives may be chosen from graduate offerings in the College of Agriculture, School of Home Economics, School of Forestry, School of Medicine, or in other schools and colleges on the campus.)	
6. Agriculture 921	varies
Under supervision of the candidate's major professor a written problem is required. Content of the problem is to be related to needs within the field of agricultural extension. The problem must show correctness and good taste in the use of English and make due acknowledgment of the work of others.	

Thesis

No thesis is required.

Financial Data

Number of annual fellowships available to graduate students in Extension Education	0
Average value of Fellowships	
Number of teaching and research assistantships for Extension Education majors	0
Average stipend (annual) for teaching and research assistantships. Several are available on a universitywide basis	\$1, 600
Tuition and registration fee (per quarter)	\$98
Tuition and registration fees for nonresidents (per quarter)	\$198
Approximate room, board, and laundry fees for unmarried students living in university housing (per quarter)	\$255

Living Accommodations

In addition to the university residence halls, the University maintains a number of apartments for married students and their families. Charges for these quarters are very moderate. Applications for married student housing should be made directly to the director of men's housing. Other privately owned housing is available in the city of Athens and vicinity.

University cafeterias are located in Memorial Hall, the Student Union, and in Snelling Hall on the South Campus. In addition, the dining rooms of the Georgia Center for Continuing Education offer a wide selection of food service.

Miscellaneous Information

Athens is an attractive town of 35,000 people located in the hills of northeast Georgia. There are ample facilities for shopping and recreation. Churches of nearly all denominations offer beautiful facilities and friendly opportunities for worship. Four U.S. highways pass through the city. Athens is also served by four railroads and Southern Airways. Atlanta, Georgia's capital city and the transportation and financial hub of the Southeast, is 65 miles to the west.

Georgia has many points of interest within easy driving distance of Athens. Stone Mountain, said to be the world's largest outcropping of granite—800 feet high and 7 miles in circumference—lies on the route

between Athens and Atlanta. The Cyclorama in Atlanta's Grant Park depicting the Battle of Atlanta is one of the world's largest paintings, 50 feet high and 400 feet in circumference.

Rock Eagle, Georgia's outstanding 4-H Club Center, is 40 miles to the south of Athens. The Little White House, famed vacation home of President Franklin D. Roosevelt at Warm Springs, is a National Shrine open to visitors the year round.

The university, established in 1785, is the Nation's oldest State-chartered university. There are over 50 principal buildings, and the campus and adjacent land cover 3,500 acres. The university libraries, containing more than 400,000 volumes exclusive of manuscripts and pamphlets, serve as a depository for official U.S. Government publications and provide ample readings in many fields. An outstanding School of Home Economics and regional Schools of Forestry and Veterinary Medicine make the university exceptionally well adapted to advanced study in agricultural extension.

PURDUE UNIVERSITY, Lafayette, Indiana

General Requirements

To be considered for admission as a regular graduate student, an applicant must have a bachelor's degree from a university or college of recognized standing and, in addition, must (1) show promise, as judged by previous scholastic record, of ability to pursue advanced study and research; and (2) have adequate previous preparation in his chosen field of study to enter at once upon graduate study in that field. An applicant who is not a Purdue graduate must submit complete official transcripts of all previous college studies.

Success in graduate study for those whose work is to count toward advanced degrees requires performance of a high quality. A graduate student must earn a certain minimum grade in every course which is to be credited toward either the master's or the doctor's degree; a minimum grade of *B* in every course numbered 500-599 which is included in the major of his plan of study, and a minimum grade of *C* in all other courses.

Graduate programs are offered in agricultural extension leading to the degree of Master of Science and Master of Agriculture. These programs are designed primarily for county agents, assistant county agents, 4-H Club personnel and people engaged in other types of agricultural extension activities. The nature of the programs is interdisciplinary, including courses from a number of departments in the School of Agriculture, especially in the areas of the animal sciences, plant sciences, soils and agricultural economics; and in the School of Science, Education, and Humanities, especially in the areas of communications, sociology and psychology.

For entrance into the graduate courses and a degree program, applicants must meet the general admission regulations and other prerequisites of the university and of the Graduate School. Applicants are evaluated by the interdisciplinary committee and recommendations for admission are made to the dean of the Graduate School.

Since these are exclusively graduate programs, all students must have a bachelor's degree in agriculture or in some other appropriate field.

A candidate for the master's degree must earn at least two units of resident study and must be registered during the semester at the end of which he expects to receive the degree.

Credit in graduate courses given off campus shall not constitute more than one-third of the credit required in the regular graduate student's program of study.

Graduate work of acceptable quality done in another approved college or university may be counted toward the degree provided the courses can appropriately be included in the plan of study. In no case, however, may the plan of study contain more than 6 semester hours of graduate credit for work completed at another institution.

Course Requirements and Electives

I. Requirements for the Master of Science Degree With a Major in Agricultural Extension (Thesis Program)

A. Major

1. Twelve hours of course work in agriculture or related basic courses.
2. A thesis in the general area of extension methods or techniques, or other areas related to agricultural extension.
3. Course work in the second minor (described below) supporting the thesis.

B. Minors

1. One minor of at least 6 hours in the field of communications.
2. A second minor of at least 6 hours chosen from any field of study offered for the Master of Science degree in the departments of the Schools of Agriculture and Science, Education, and Humanities.

Six hours of the major must represent work in at least two of the following three fields: animal sciences, plant and soil sciences, agricultural economics or economics; and 3 hours must be taken in statistics.

II. Requirements for the Master of Agriculture Degree (Non-thesis Program)

A. Major: 21 hours minimum

1. Eighteen hours of course work in agriculture or related basic courses. No less than 3 hours should be selected from the animal sciences, 3 hours from the plant and soil sciences, 3 hours in agricultural economics or economics.
2. A three-credit problems course in an agricultural field or in the second minor.

B. Minors

1. One minor of at least 6 hours, chosen in the field of communications.
2. A second minor of at least 6 hours, chosen in any field of study offered for the master's degree in the departments of the School of Agriculture or the School of Science, Education, and Humanities.

C. A 3-hour course in statistics or in research methods and applications to be included in the major *or* minor.

III. Courses available for students majoring in agricultural Extension for the Master of Science and the Master of Agriculture Degrees. Additional courses, especially at the 600 level, may be selected for individual plans of study.

Plant Science

Pasture Crops and Management
Crop Ecology
Advanced Crop Ecology
Intermediate Plant Physiology
Problems in Farm Forestry

Animal Physiology and Breeding

Physiology of Reproduction
Animal Breeding
Dairy Cattle Breeding
Poultry Breeding

Soils and Soil Management

Intermediate Soil Science
Advanced Soil Fertility
Soil Classification and Survey
Soil Physics
Drainage, Irrigation, and Erosion Control

Animal Nutrition

Animal Nutrition
Feed Formulation
Advanced Dairy Cattle Feeding
Poultry Nutrition

Conservation

Conservation Education

Communications Minor

Speech Composition
Advanced Business Interview and Conference Methods
Radio Program Production
Radio Script Preparation
Feature Writing
Business Writing, Journalistic Applications
Audio Visual Aids for Teachers

Agricultural Economics and Economics

Farm Management
Agricultural Policy
Agricultural Policy and Programs
Intermediate Economic Theory
National Income and Forecasting
Business Cycles
Agricultural Price Analysis
Marketing Institutions

Statistics and Research Methods and Application

Statistics for Experimental Research
Statistical Methods Applied to Psychology
Education, and Sociology
Agricultural Statistics
Research Procedure in Agricultural Economics

Financial Data

Number of annual fellowships available to graduate students in

Extension Education.....	0
Average value of fellowships.....	\$170 per month (20 hours per week).

Number of teaching and research assistantships for Extension

Education majors.....	0
Average stipend (annual) for teaching and research assistantships.....	\$1,020 (1 full year)
Tuition and registration fees (per semester).....	\$120.
Tuition and registration fees for nonresidents (per semester) ..	\$307.50.
Living expenses (average per semester).....	\$400.

Living Accommodations

Accommodations for married students—Unfurnished apartments. A modern, fireproof apartment project consisting of 908 units is located on a 66-acre tract adjacent to the campus. There are 600 one-bedroom units, equipped with stove and refrigerator. Hot water and radiant heat are supplied from a central boiler. A coin-operated automatic washer and dryer in each building are available for tenant use at 25 cents per washing. All utilities except telephone are included in the monthly rental of \$76. Assignments are made to both undergraduate and graduate students carrying 8 hours or more per semester.

Three hundred and eight two-bedroom units are also equipped with stove and refrigerator. A laundry room within each apartment is provided with hot and cold water, drain, and a 220-volt outlet for electric dryer. Each tenant is expected to furnish his own washer and dryer in these apartments. Rent, with utilities included, is \$88 per month. School-age children may attend West Lafayette schools and city bus service is available for their transportation.

Furnished apartments—The university operates 254 furnished apartments reserved on a priority basis for graduate students. There are 152 efficiency, 87 one-bedroom, and 15 one-bedroom with nursery alcove. Rent, with furnishings and utilities included, ranges from \$69.50 for the efficiency to \$89.50 for the one-bedroom with nursery alcove.

Applications for these accommodations should be made in writing to the Director of Family Housing, Nursery No. 2 on Nimitz Drive, Purdue University, Lafayette, Ind.

Other residences—Apartments and rooms in private homes are available in West Lafayette and Lafayette, twin cities of 50,000 population. Lists of these accommodations are maintained by the dean of men and the dean of women.

Miscellaneous Information

All types of recreational facilities are here, including a new co-recreational gymnasium which includes swimming, skating, badminton, basketball, soccer, etc.

An excellent convocation series is available at a small cost. There also is a very good playshop program as well as an experimental theater and many ballrooms.

KANSAS STATE UNIVERSITY, Manhattan

The student's program in extension education leading to a Master of Science degree consists of a core of courses in extension education, adult education, communications, and social science fields. The remaining work may be selected from courses in the various academic departments in which the student feels the greatest need for subject matter training. The major field of study comprises about two-thirds of the work, the minor field, one-third.

General Requirements

1. For admission to do graduate work the student must have a scholastic average of *B* or better in undergraduate courses taken during the junior and senior years.
2. Not more than 16 credit hours, including those obtained from research, may be earned in a single semester. Not more than nine may be earned during a summer session.
3. For the degree the student must compete a minimum of 30 semester hours of graduate credit, including a *master's thesis* of 6 to 8 seminar hours, *or* a minimum of 32 semester hours of graduate credit without the master's thesis but including a written report either on a research topic or on a problem in the student's major field. For this report two semester hours of credit are given.
4. All credits acquired more than 6 years prior to the time of receiving a degree require validation either by repeating the course or passing an advanced course based on lapsed credit course or by a validation examination.
5. An oral examination is required.

Course Requirements and Electives

	Thesis Plan Semester Credit Hours	Report Plan Semester Credit Hours
Recommended core courses	11	11
Associated courses	7 or more	7-11 or more
Courses in minor field	6 or more	8-12 or more
Thesis or report	6-8	2
<hr/>		
Minimum semester credit hours	30	32
<hr/>		
<i>Recommended core courses for majors or minors:</i>		<i>Credit</i>
Education 816	Adult Education	3
Education 819	Adult Education	2
Education 600	Research Methods and Treatment of Data	3
<i>In addition to the above, majors take:</i>		
Education 605	Extension Organization and Policies	3
Education 752	Extension Teaching Methods	3
Education 806	Philosophy of Education	3
<i>Supporting courses (optional):</i>		
Sociology 606	Community Organization and Leadership	3
Sociology 608	Urban Sociology	3
Sociology 615	Social Problems	3
Sociology 657	Social Systems	3
Rural Sociology 600	Advanced Rural Sociology	3
Economics 430	World Agriculture	3
Economics 610	Agricultural Policy	3
Speech 436	Group Discussion Methods	3
Speech 608	Persuasion	3
Speech 618	Discussion and Conference Leadership	3

Other courses may be considered if deemed appropriate for the student's needs.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension . .	0
Annual worth of fellowship	
Number of teaching and research assistantships for Extension majors	2
Average stipend for assistantships	\$3, 000
Tuition and registration fees (per semester)	\$104
Tuition and registration fees for nonresidents (per semester)	\$154
Living expenses (average per semester)	\$500

Living Accommodations

A wide choice of housing is available. Residence halls for single women are available for the summer sessions only. One small single hall is provided for single men, graduate and undergraduate, on a reservation basis. Many rooms and some apartments in private homes are available for single graduate students. The university has 456 permanent dormitory apartments for married students and keeps an up-to-date file of apartments available in Manhattan. Married students and single men should write to the director of housing for information; women, to the associate dean of students.

Miscellaneous Information

The proximity of Fort Riley and the university lends support for a greater variety of recreational facilities than is normally found in a city the size of Manhattan. With the completion of Tuttle Creek Reservoir in 1961,

Kansas State University is only 5–10 miles from one of the largest bodies of water in the Midwest and all the recreational facilities that go with such a water body.

Adjoining the campus is “Aggieville,” a suburban shopping district serving the university community. For children of the one-fifth of the students who are married, Manhattan provides a youth program, parks, and a school system that ranks with the best.

Students from many lands study at Kansas State University. The peoples of other countries have found that many of the friends and teachers among them were educated at Manhattan, and so they have sent here some of the best of their young people to learn how to improve their ways of life.

UNIVERSITY OF KENTUCKY, Lexington

In the near future, the University of Kentucky will have developed a more diversified program of graduate study in extension education than that here described. Persons who are interested in the possibility of doing graduate study at Kentucky should contact Dr. Coughenour to learn the details of these expanded opportunities.

With the three exceptions listed below, the requirements for the Master of Science degree with a major in extension education are the same as for all other master's degrees offered at the University of Kentucky.

1. Except in rare cases, students will be expected to complete 24 hours in residence and complete a thesis.
2. Instead of work being concentrated in one area, 15 semester hours will be considered as a minimum to be taken from the applied and theoretical subject matter areas of education, psychology, economics, sociology, English, speech, journalism, and extension methods.
3. There is no set schedule for all students but a complete program is worked out in advance, subject to the approval of the Director of Graduate Programs in Extension Education.

General Requirements

The Graduate School authorizes all departments to specify requirements for a Master of Arts or Master of Science degree by either of two plans. Option rests with the department.

Plan A

1. The candidate must complete at least 24 semester hours of credit course work with a standing of 3.0 or better.
2. At least 9 hours must be in courses numbered 200 or above.
3. The candidate shall have a major field which shall comprise at least two-thirds of his course work; one-third may be taken in that field or in fields which have graduate relationship with it. In education and agriculture, only one-half of the work must be done in the major fields.
4. Residence—a minimum residence each academic year of 36 weeks. This may be fulfilled by any combination providing at least one full semester or two summer terms are spent in residence.
5. A thesis and an abstract of the thesis are required.
6. Final orals may not be taken before the thesis has been accepted.

Plan B

The minimum requirements are the same as for Plan A except that six or more semester hours of course work may be substituted for a thesis and, in a few departments, a reading knowledge of a foreign language may not be required. A student may follow this plan with the approval of the department concerned.

NOTE: All students working for graduate degrees should take three parts of the graduate record (the area tests, the aptitude tests, and the advanced test in the major subject). These tests may be taken either before admission or during the first semester after admission.

Course Requirements and Electives

<i>Required courses for majors in extension education</i>		<i>Credit</i>
Journalism 118.....	Public Relations.....	3
English 159.....	Persuasion.....	3
Rural Sociology 250.....	Topical Seminar.....	3
Extension 202.....	Special Problems in Extension Research....	3
Psychology 205.....	Seminar in Social Psychology.....	3

Electives

Selected courses offered by departments such as Agronomy, Animal Husbandry, Poultry, Dairy, Horticulture, Rural Sociology and Home Economics. The selection of courses is based upon the needs and interests of the student.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension..	0
Annual worth of fellowship.....	
Number of teaching and research assistantships for Extension majors.....	0
Average stipend for assistantships.....	
Tuition and registration fees (per semester).....	\$81
Tuition and registration fees for nonresidents (per semester).....	\$181
Living expenses (average per semester).....	\$300

Living Accommodations

The university operates a new housing project for married students to accommodate 450 families in 237 efficiency and 213 one-bedroom apartments. The efficiency apartment rents for \$62.50 per month; the one-bedroom apartment for \$72.50 per month. Rentals include furnishings adequate to basic living, utilities, and maintenance.

To apply for a housing unit, communicate with the office of the dean of men for general information and an application blank. No deposit is required with the application, but a \$25 deposit is required when the applicant is assigned and accepts an apartment. Only full-time married male students of the university and their immediate families are eligible for the apartments. Assignment of apartments is made on a priority basis which is established by the date the application is received in the office of the dean of men. The university reserves the right to change rental rates at any time it is deemed necessary to the welfare of the projects.

Miscellaneous Information

The University of Kentucky is located at Lexington, an urban community of over 100,000 population. The university emphasizes the development of the whole individual. Special culture opportunities include the Central Kentucky Concert and Lecture Series, musicales, the university art gallery, and plays presented by the Little Theater.

Recreational facilities include those typical of the college campus. The golf courses of the city of Lexington are also open to university students.

LOUISIANA STATE UNIVERSITY, Baton Rouge

The degree of Master of Science with a major in agricultural extension education is offered through the Department of Agricultural Education at Louisiana State University.

General Requirements

1. The minimum requirement is 30 semester hours of graduate work, not over 6 hours of which are allowed for research and the composition of a thesis. In the optional program in which a thesis is not required, the standard course work program is increased to 36 hours.
2. Although concentration is required in the major field of interest, every program for a master's degree should include at least 6 semester hours of credit in one or more related fields.
3. The standard course load of a graduate student giving full time to advanced work should be regarded as from 9 to 12 hours per semester.
4. The minimum standard of grades is an average of *B* (2.0 point hour ratio) in all courses and no grade below *C*.
5. A graduate program must be completed within 8 years.
6. The minimum residence requirement for the master's degree is 1 academic year of 2 semesters at this University. This requirement may be satisfied in some departments in four summer terms or in one semester plus two summer terms. Acceptance of extension credit does not reduce this residence requirement for the master's degree.
7. For those majoring in agricultural extension education the department may prescribe additional courses beyond the regular program in lieu of a thesis.

Course Requirements and Electives

The graduate program for agricultural extension workers is flexible enough to meet the differing requirements of individual extension service workers, and broad enough in scope to permit a wide selection of courses from different fields of knowledge. However, there are several required courses. These courses are Agricultural Extension Education 150 and 170 and a course in statistics and one in research methods. Those students who select the non-thesis option are also required to complete a research problems course.

Courses in technical agriculture or home economics and related fields are required. The specific fields are selected by the student. However, at least two courses must be selected from within one field.

Examples of courses offered for graduate credit for majors in extension education include the following:

<i>Course</i>		<i>Credit</i>
Agricultural Extension Education 150..	Mass Media in Disseminating Agricultural Information.....	3
Agricultural Extension Education 170..	The Agricultural Extension Service....	3
Agricultural Extension Education 209..	The 4-H Program.....	3
Agricultural Extension Education 210..	Program Development.....	3
Agricultural Extension Education 211..	Leadership Development.....	3
Agricultural Extension Education 216..	Evaluation of Extension Work.....	3
Agricultural Extension Education 270..	Advanced Extension Methods.....	3
Agricultural Economics 201	Farm Management for Professional Agricultural Workers.....	3
Sociology 201	Seminar: Rural Sociology.....	3
Psychology 156.....	Advanced Educational Psychology....	3
Speech 113.....	Advanced Discussion.....	3

Financial Data

Number of fellowships available to graduate students in Agricultural Extension..	0
Annual worth of fellowship.....	
Number of teaching and research assistantships for Extension majors.....	0
Average stipend for assistantships.....	
Tuition and registration fees (per semester).....	\$60
Tuition and registration fees for nonresidents (per semester).....	\$85
Living expenses (average per semester).....	\$400

Living Accommodations

Graduate women students are housed in the French House. This building accommodates 46 students and consists of two and three student bedrooms grouped around tile bath units. The charge is \$148.50 (\$10.80 for use of telephone) per student for the semester. Meals may be secured on a cash basis in convenient dining facilities on the campus and adjacent to the campus. Housing application blanks are available through the director of housing for women.

The university provides living quarters for approximately 3,000 men. A special section is set aside for graduate students. Rental in the various dormitories varies from \$72 to \$117 per semester. There are approximately 300 unfurnished apartments for married students. The permanent apartments rent from \$65 to \$75 per month with all utilities included. Louisiana residents are given priority of assignment. Out-of-State students with LSU scholarships or assistantships are given the same priority of assignment as a Louisiana resident. Write to the director of housing for men for applications and further details.

Miscellaneous Information

Louisiana State University is located 2 miles south of Baton Rouge on a tract which comprises 4,725 acres, all of which is utilized by the varied activities of the institution. The buildings devoted particularly to purposes of administration and instruction are situated on a plateau of about 300 acres about one-half mile from the Mississippi River. The architectural treatment of this group is based on the domestic style of northern Italy. The remainder of the 4,725-acre tract is devoted chiefly to the use of the College of Agriculture and the Agricultural Experiment Station.

The heart of the campus is built around two quadrangles and includes, in addition to numerous buildings for administration and instruction, a memorial tower, a creamery, a modern sugar factory, a stadium with a seating capacity of 68,000, and an open-air theater seating 3,000.

The Tower Services office, located in the Memorial Tower, receives visitors and acquaints them with the university's facilities and activities. Of particular interest to students and visitors are several special library collections.

The collection of archives and manuscripts in the Department of Archives, located in the Law Building, is an important body of primary source materials for study and research, particularly in Louisiana and Southern history, cultural geography, education, music and dramatic arts, economics, American and Louisiana French literature, and other fields in the social sciences and the humanities. This collection is a depository for original historical manuscripts and archival materials, consisting of approximately 1,851,000 items and volumes.

UNIVERSITY OF MARYLAND, College Park

The Department of Agricultural and Extension Education offers study leading to the Master of Science degree in extension education. Graduate study in extension education at the University of Maryland is oriented primarily toward the development of the extension worker as an educator and educational leader.

General Requirements

1. Be admitted to the Graduate School of the University of Maryland. (Contact the Graduate School for application forms and instructions.)
2. Must have had at least 1 year of experience in Extension work.
3. Have completed at the undergraduate level or elsewhere at least 8 semester hours extension and other education courses. However, students lacking education prerequisites may complete them after entering graduate school.
4. A minimum of 24 semester hours of course work, with an average grade of *B* or higher, consisting of a major and a minor.
5. Completion of thesis research for 6 semester hours of credit.
6. Satisfactorily passing an oral examination on thesis research and all course work.
7. Up to 6 semester hours taken at another institution may be applied to the student's graduate program provided he had been admitted to the University of Maryland Graduate School before taking the courses and they fit into his planned program of study.

Course Requirements and Electives

A program of study is planned with each graduate student to meet his needs and desires, in terms of his previous training and experience, special interests, and future plans. Programs are available for both men and women. A planned program must include a minor, in addition to the major in extension education. The major consists of at least 12 semester hours, usually 12 to 16, and a minor of at least 8 semester hours, usually 8 to 12.

1. <i>Major courses from which to choose:</i>		<i>Credit</i>
Rural Education 150.....	Extension Education.....	2
Rural Education 160.....	Agricultural Communications.....	2
Rural Education 201.....	Rural Life and Education.....	3
Rural Education 203.....	Farm Organizations and Rural Education..	3
Rural Education 225.....	Program Development in Extension Educa- tion.....	2
Rural Education 200.....	Research Methods in Rural Education.....	2-3
Rural Education 204.....	Developing Rural Leadership.....	2
Rural Education 301.....	Field Problems in Rural Education.....	1-3
Rural Education 302.....	Seminar in Extension: Problems, Issues and Trends.....	1
Rural Education 399.....	Research.....	1-6

Offered by USDA Graduate School, Washington, D.C.:

7-732.....	4-H Seminar.....	3
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2. *Thesis.*

3. *Minors:* The minor may be chosen from one of a number of fields or may consist of a cross-disciplinary minor, providing the courses consist of a coherent group directed toward a common goal. Minors often chosen include human development education, adult education, guidance, home economics, sociology, journalism, agricultural economics, dairy science, horticulture, and others.

Financial Data

Number of fellowships available to graduate students in	
Extension Education.....	4 per semester
Value of fellowship:.....	\$200 per month
Number of teaching and research assistantships for Ex-	
tension majors.....	Varies year to year
Stipend for assistantships.....	\$200 per month
Tuition and registration fees (per semester).....	\$12 per credit hour; maximum \$120
Tuition and fees for nonresidents.....	Same as for residents
Living expenses (per semester).....	\$400

Living Accommodations

In addition to university housing, there is a wide selection of furnished and unfurnished rooms and apartments near the university, many within walking distance of the campus.

Miscellaneous Information

The University of Maryland is located less than 10 miles from downtown Washington, D.C., and within 2 miles in the opposite direction is the USDA Agricultural Research Center at Beltsville, Md. The resources of the U.S. Department of Agriculture, the U.S. Office of Education, other governmental agencies, and the national offices of farm organizations, educational associations, and other professional and technical societies offer rich opportunities for study and associations. The Library of Congress, Smithsonian Institution, and other libraries and institutions such as Georgetown, George Washington, American, and Catholic Universities and the USDA Graduate School provide abundant opportunity for scholarship and enriched study.

MICHIGAN STATE UNIVERSITY, East Lansing

Through the Institute for Extension Personnel Development, three different professional improvement opportunities designed especially for extension workers are now available at Michigan State University.

They are:

- A. *A graduate study program in extension* leading to a Master of Science degree. A graduate student may also elect a minor field of study in Extension for the Doctor of Philosophy degree.
- B. *A professional nondegree study and research program* for experienced Extension workers.
- C. *A work-and-study internship program* of advanced career preparation for men and women interested in employment with the Michigan Cooperative Extension Service.

The degree of Master of Science with a major in extension education is granted by either the College of Agriculture or the College of Home Economics.

General Requirements

1. The graduate student has a choice of plans of study. A primary difference lies in a thesis option.
2. At least 15 credits must be taken in formal course work on campus in East Lansing.
3. The candidate for the master's degree shall pass an oral examination before a committee selected by the major professor with the approval of the department head.
4. To qualify for the degree the student must have a graduate course grade average of 3.0.
5. All credits to be used for the master's degree must be completed within the 5-year period immediately preceding the oral examination.
6. A minimum of 45 credits after the bachelor's degree is required for the master's degree. Twelve credits may be transferred from other accredited graduate schools, if approved by the university.

Course Requirements and Electives

In line with the interdisciplinary concept of extension study at Michigan State University, advanced students are given maximum freedom in planning their study program. Each student develops the course of study in personal consultation with his or her major professor. The extension worker's background, experience, future aspirations, and professional interests are considered in planning the program. Thus, the specific courses taken by the individual degree candidates may vary greatly. In the past, the general program of study elected by many extension workers has included:

1. Courses in technical agriculture or home economics like these:
Agricultural Policy, Advanced Farm Management, Farmstead and Building Planning, Animal Nutrition, Dairy Farm Management, Woodland Forestry, Fruit Sprays, Farm Insects, Chemical Weed Control, Land Use Planning and Zoning.
Demonstrations in Foods and Nutrition, Patterns of Food Intake, Standards of Living and Family Finance, Aids to Understanding Home and Family Living, Clothing Consumption, Contemporary Trends in Home Furnishings.

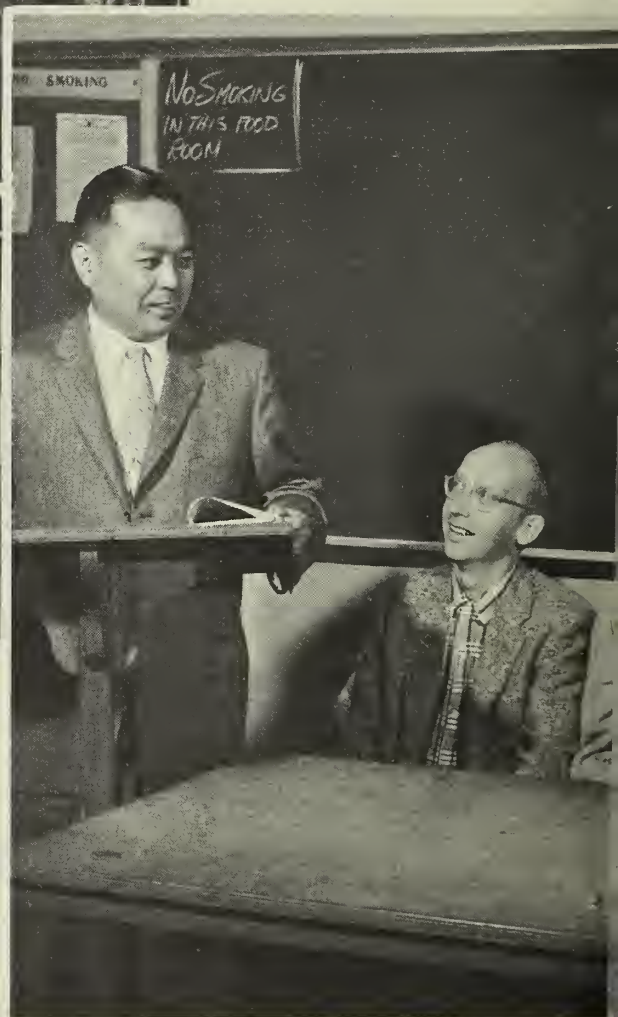


University housing offers a comfortable home atmosphere for the student.

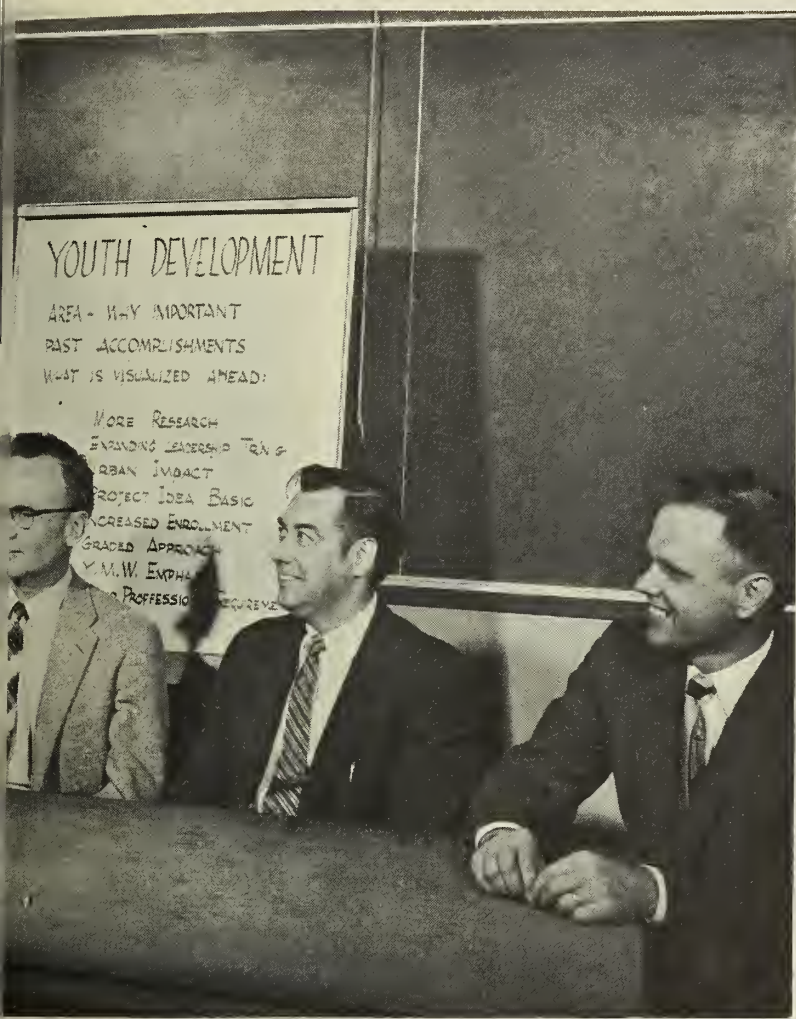




Excellent libraries provide opportunities for exploring the thinking of others.



Seminars with other extension workers viewpoint.



There is time for informal discussions over coffee.

aden the graduate student's



The academic atmosphere of a university campus offers freedom from job pressures, time to think and study.



2. Courses in the Departments of Economics, Political Science and Public Administration, Business, Sociology, and/or Psychology like the following:

Economic Development, State and Local Government, Public Administration, Human Relations, Salesmanship, Personnel Management, Office Management, Psychology of Human Relations, Adolescent Psychology, Public Opinion, Social Organization and Administration, Leadership Development.

3. Extension courses in the institute and courses in education and/or the field of communications such as:

The Seminar in Extension Objectives, Policies and Organization, Special Research Problems in Extension, Social and Philosophical Foundations of Education, Audio-Visual Aids, Advanced Group Discussion, Television Program Development, Farm and Home Writing.

The extension seminar is carried on throughout the year as a core course for all extension workers doing graduate work.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension..	0
Annual worth of fellowship.....	..
Number of teaching and research assistantships for Extension majors.....	0
Average stipend for assistantships.....	..
Tuition and registration fees (per quarter).....	\$93
Tuition and registration fees for nonresidents (per quarter).....	\$250
Living expenses (average per quarter).....	\$275

Living Accommodations

Graduate students are eligible for housing when it is available in the university dormitories or in apartments for married students. Good housing facilities are provided. Eight large residence halls have a capacity for 5,000 single men. Fifteen smaller residence halls for single women accommodate about 4,000. A new graduate residence hall has accommodations for many single men and women in its 422 rooms. Married students may live in one of the 1,940 permanent brick apartments on campus.

Miscellaneous Information

Michigan State University was founded in 1855 as America's first agricultural college, setting the pattern for the land-grant college system which followed. It has grown to be one of the 10 largest institutions of higher education in the nation.

Cultural points of interest on and near the campus include the modern Kellogg Center for Continuing Education; the State capital; Civic Center, Greenfield Village; Agricultural Museum, and the University Library.

MISSISSIPPI STATE UNIVERSITY, State College

Students may work toward a master's degree with a major in agricultural extension at Mississippi State University. With no school of home economics, the agricultural extension major is obviously limited primarily to men.

General Requirements

1. Approval of a student's master's-degree program of study follows his completion of 12 hours of graduate work with an average grade of *B* or better and demonstration of his capacity to do graduate work.
2. A minimum of 27 semester hours must be done in residence; up to 6 hours of graduate credit may be earned in off-campus workshops and related extension inservice training activities.
3. No grade under *C* will be accepted for graduate credit and the student's overall grade average must be *B* or better before the degree is conferred.
4. An acceptable thesis is required and thesis research must be taken. These are valued at 6 semester hours.
5. The time limit on credits that can be accepted toward fulfilling the requirements for the degree is 6 years.
6. Final written examinations in courses taken for graduate credits are required.

Course Requirements and Electives

To do graduate work in agricultural extension, a student must have a Bachelor of Science degree in agriculture or home economics and must have had 1 year of extension experience.

The number of semester hours in agricultural extension is limited to 9-12; the remainder of the graduate program is to be completed in the social sciences (9-12 hours) and in the agricultural, biological, and physical sciences (6-12 semester hours). Graduate courses are: Special Problems, Thesis Research, and Thesis; Planning Extension Programs; and Evaluation Adapted to Extension Teaching.

No core of subjects is required of all students. Programs are planned in terms of the graduate student's background of undergraduate preparation and experience. Electives are selected largely from the social sciences and technical agricultural subjects. Such electives are selected in line with individual candidates' previous training, present needs and desires.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension.....	0
Annual worth of fellowship.....	..
Number of teaching and research assistantships for Extension majors.....	0
Average stipend for assistantships.....	..
Tuition and registration fees (per semester).....	\$113. 75
Tuition and registration fees for nonresident students (per semester).....	\$213. 75
Living expenses (average per semester).....	\$250. 00

Living Accommodations

Seventeen dormitories have been built on the campus for single men, graduate and undergraduate. When a student is admitted to the college his name is submitted to the supervisor of student housing who makes an assignment prior to or at the time of registration. Apartments are available on the campus for married students but since housing for married students is not sufficient to meet the demands, those who have enrolled in college pending the availability of living space for their families are given preference by the superintendent of student housing when vacancies occur. Meals are available on campus in the college cafeteria and in the college grill.

Miscellaneous Information

The university is organized for resident teaching, agricultural research, and agricultural extension. The grounds of the university comprise about 4,200 acres including farms, pastures, and woodlands of the experiment station.

Excellent opportunities for hunting and fishing lie within a few miles of the campus on a game refuge controlled by the Fish and Wildlife Service, as well as on private landholdings.

UNIVERSITY OF MISSOURI, Columbia

The University of Missouri offers the degree of Master of Science in Extension Education to graduate students who are now engaged in co-operative extension work in agriculture and home economics in the several States, or who expect to enter this field.

Graduate study leading to this degree is conducted under the immediate supervision of a committee of faculty members who are best acquainted with the particular field and interests of the individual. This committee, appointed by the dean of the graduate faculty, will assist the candidate in preparing a course of study which meets his particular needs.

General Requirements

1. A total of 32 semester hours, over and above the prerequisites for graduate work, must be completed for the master's degree.
2. A grade of *C* is acceptable to a limited extent in fulfilling the requirements for the degree.
3. A maximum of 8 hours for the degree may be earned in off-campus courses given by the Adult Education and Extension Service. Credit for the degree cannot be transferred from another institution except that 6 hours may be transferred from a regional extension school with prior approval of the students' committee.
4. Courses for the degree must be completed within a period of 8 years.

Course Requirements and Electives

No course is required of all students. In most cases the following courses are taken and may be considered the core courses.

<i>Course</i>		<i>Credit</i>
Extension Education 305	Agricultural Communications	4
Extension Education 301	Extension Methods in Public Affairs	2
Extension Education 401	Principles and Procedures in Extension Teaching	2
Extension Education 402	Organization and Planning of Extension Work	2
Extension Education 404	Extension Evaluation	2
Rural Sociology 435	Advanced Group Organization and Leadership	2

All courses are electives. Suggestions to students are that they include in their programs of study courses in the following areas:

	<i>Hours</i>
Extension Education	6
Economics	6
Sociology	6
Communications	3

Financial Data

Number of fellowships available to graduate students in Agricultural Extension . .	0
Annual worth of fellowship	
Number of teaching and research assistantships for Extension majors	0
Average stipend for assistantship	
Tuition and registration fees (per semester)	\$107. 50
Tuition and registration fees for nonresidents (per semester)	\$107. 50
Living expenses (average per semester)	\$500. 00

Living Accommodations

The university residence halls are available for the accommodation of both men and women students. In addition to providing room and board, the residence hall program offers opportunities for social, recreational, and cultural activities which provide students with a well-rounded life on campus.

Students enter into contracts with the university for accommodations in university residence halls on a room and board basis for the entire academic year.

The university has 164 one-bedroom apartments and 196 two-bedroom apartments available for married students. These apartments, renting from \$55 and \$62, respectively, are located in an area known as University Village, which is within easy walking distance of the campus and the shopping district. Application blanks may be obtained from the housing office.

Miscellaneous Information

Created in 1839, the University of Missouri is located at Columbia, approximately midway between St. Louis and Kansas City. In the biennial report of 1932 the curators of the university stated the purposes of the university in these words:

“A true state university strives to be the intellectual, the cultural, and the professional center of the state. It is not merely a school; it is a community of scholars and learners engaged in the forward-looking enterprises of modern civilization.”

Cultural opportunities may be found in the Missouri Workshop Theater; the Stephens College Foreign Relations Lectures and Theater Arts; art collections entitled “Missouri—Heart of the Nation” and “The Missouri State Capitol Collection;” The State Historical Society collections; and the university libraries.

NEW MEXICO STATE UNIVERSITY, University Park

A student interested in agriculture extension education may pursue a program leading to a master's degree in education. These are graduate courses in the College of Teacher Education and are open to men and women presently engaged or interested in the field of agriculture extension.

General Requirements

1. The programs of the Graduate School are offered to serve the purposes of two distinct groups of graduate students: (1) Those who wish to become candidates for advanced degrees; (2) those who wish to further their education without reference to a higher degree at this institution.
2. Graduates holding a baccalaureate or advanced degree from any recognized college or university may apply for admission to the Graduate School. For a regular graduate student to be admitted unconditionally he must have a grade average of at least a *B* in the second half of his undergraduate program.
3. A minimum of 30 semester hours of courses is required for the master's degree for students majoring in teacher education. Approximately two-thirds of this shall be earned in the College of Teacher Education with the remainder in the subject matter minor with other departments in the university preferably in the School of Agriculture and Home Economics. This minor must be acceptable to both the major and minor departments. Eighteen hours of teacher education courses may be selected from agriculture extension education courses.
4. The average of all graduate work taken must be 3.0 (*B*) or higher.
5. The maximum load is 16 hours a semester unless the student has been officially authorized to exceed this limit. The maximum load for a summer session is reduced in proportion to the duration of the session.
6. Candidates for the master's degree may obtain credit for not more than 6 semester hours of graduate work previously taken at another approved institution. A minimum of 18 semester hours must be earned on the campus of New Mexico State University.

Course Requirements and Electives

These graduate courses in teacher education are full-semester courses which extension people should find pertinent to their work.

<i>Course</i>	<i>Semester Credit Hours</i>
460 Guidance: Principles, Programs and Administration	3
463 Journal Education	1
493 Audiovisual Education	2
497 History of Education	3
502 Philosophy of Education	3
550 Advanced Educational Psychology	2
562 Group Guidance Techniques	2-3
563 Occupational and Vocational Diagnosis and Information	2
565 Case Analysis in Guidance	2
566 Seminar in Counseling and Guidance	2
595 Individual Problems and Research in Education	1-3
605 Problems in Special Education	1-3

One or more of the following courses in Agricultural Extension Education are offered during a 3-week summer session. Prospective students may contact the office of the Dean of the College of Teacher Education

for information as to which course or courses will be offered during the summer session:

		<i>Semester Credit Hours</i>
510	Principles in the Development of Youth Programs	2-3
521	Principles and Techniques in Extension Education	2-3
551	Administration and Supervision in Extension Work	2-3
	Basic Extension Evaluation	2-3
	Rural Community Organization and Development	2-3
590-591	Individual Problems and Research in Extension Administration .	2-4
592-593-594	Seminar in Agricultural Education	1-6
596	Individual Problems and Research in Extension Education	1-6

Financial Data

Number of fellowships available to graduate students in Agricultural Extension .	0
Annual worth of fellowship
Number of teaching and research assistantships for Extension majors	0
Average stipend for assistantship
Tuition and registration fees (per semester)	\$90
Tuition and registration fees for nonresidents (per semester)	\$180
Living expenses, including room and board (per semester)	\$300

Living Accommodations

Dormitory facilities are available for single men and women. Housing for married students is also available in the married student housing section on campus or in adjoining areas. Housing applications should be made as early as possible.

On-campus living accommodations for the special summer session are available for men, women, married couples and children in the new air-conditioned Alumni Residence Center. The rate per room in the Alumni Center is \$2 per person, per night and 55 cents per week for linen service. Towels, soap, bed linens, and blankets are furnished.

Summer session classes are held in general in air-conditioned buildings on the campus of New Mexico State University. Most major buildings and all of the new structures on campus are cooled by air-conditioning. Branson Library is completely air-conditioned.

NEW YORK STATE COLLEGE OF AGRICULTURE, CORNELL UNIVERSITY, Ithaca

The Graduate School of Cornell University offers its students facilities for advanced study and research and assists them in obtaining a comprehensive view of a field of knowledge, together with the training required for independent investigation. It encourages them to associate freely with mature scholars who will give them the aid and direction they need. It expects to attain its objectives less through imposing an elaborate system of requirements than through developing a sense of responsibility for the advancement and wise application of knowledge and time.

At Cornell, both the master's and doctoral degrees are offered with opportunities to major in extension and adult education.

General Requirements

1. Candidates for the Master of Science degree must offer one major and one minor subject; those for the doctorate, one major and two minor subjects. No variation in these numbers is permitted.
2. The graduate faculty regards study in residence as essential. Each candidate for a master's degree must earn two units of residence; each candidate for the Ph. D degree six units. Candidates for the Doctor of Education degree must complete five units of residence and 1 year of directed field study.
3. A candidate is expected to register each fall and spring term until he has completed his residence; if he finds this impossible, he must apply for a leave of absence from the Graduate School. He must complete all requirements for the degree between first registration and a date 10 years later.
4. For each of the advanced degrees a thesis and a final examination are required.

Course Requirements and Electives

The Graduate School itself imposes no course requirements. It does not regard an accumulation of credit hours as an index of the student's progress or as a guarantee that he will receive a degree. It leaves to him and the special committee all decisions as to which subjects should be pursued in courses and whether he has profited as he should from the work. For the convenience of all, however, the school requires the instructor in each course to submit a grade to be entered in the student's official record.

Some of the graduate courses offered especially for extension education majors are the following:

Course	Credit
Educational Psychology for Extension Workers.....	3
Seminar: Organization, Administration and Supervision in the Cooperative Extension Service.....	2
Program Building in Extension Education.....	2
Teaching and Communication in Extension Education.....	2
Seminar: Comparative Extension Education.....	2
Advanced Seminar in Extension Education.....	2
Adult Education.....	3
Evaluation.....	3

Financial Data

Number of fellowships available to graduate students in Agricultural Extension.....	Some universitywide grants are available
Annual worth of fellowship.....	\$1,500-3,000 plus tuition and fee
Number of teaching and research assistantships for Extension majors.....	1
Average stipend for assistantships.....	\$2,500
Tuition and registration fees (per semester).....	\$300
Tuition and registration fees for nonresidents (per semester).....	\$300
Living expenses, including room and board (per semester).....	Average \$600

Application is made to the Graduate School, 125 Day Hall, on a form obtained from that office. Applications for admission to the Graduate School and for a fellowship or scholarship should be filed simultaneously and should reach the university by February 1, prior to the next academic year.

Living Arrangements

The university has established Sage Hall as a graduate residential center. Its dormitory facilities accommodate approximately 100 men in the north wing of the building and 115 women in the south wing and main building. The Graduate Center, which is available for use by all graduate students and faculty, also contains a cafeteria seating 200, study rooms, and lounges.

The university, through the Department of Residential Halls, has three apartment developments for married students and their families. They are Cornell Quarters, Pleasant Grove Apartments, and Hasbrouck Apartments with total housing for about 400 families. All apartments are unfurnished. For further information and application, write the Department of Residential Halls, Room 223, Day Hall.

The Department of Residential Halls also maintains a list of available rental housing in the Ithaca area. Information on housing currently available can be obtained only at the Off-Campus Housing Office, Room 223, Day Hall. Lists cannot be sent out because changes occur daily. Students desiring off-campus housing should come to Ithaca well in advance of the term opening to arrange for such accommodation.

Miscellaneous Information

Cornell University is impressively located on a plateau overlooking the southern end of Cayuga Lake. The towers of the university are a landmark against the sky, visible for miles across the adjoining valleys of the Finger Lakes country of upstate New York. It is located in the suburbs of the city of Ithaca.

Students who enroll at Cornell enjoy a spacious campus covering some 480 acres, large recreation areas, and numerous opportunities for cultural development on the campus and in the university community.

THE OHIO STATE UNIVERSITY, Columbus

Through the Department of Agricultural Education, the Graduate School of the Ohio State University offers three degrees that permit a major area of emphasis in extension education. The degrees offered are the Master of Science degree, Master of Education degree, and the Doctor of Philosophy degree.

The program at the Ohio State University is a flexible one and one that is designed to meet the diverse needs and interests of extension workers.

General Requirements

1. A person wishing to pursue an advanced degree program must have a bachelor's degree in agriculture or some other appropriate field.
2. Applicants must meet the general admission requirements and prerequisites of the Graduate School and of the Ohio State University. Applicants must present an undergraduate point hour ratio of at least 2.70 (on a 4.0 scale) or show evidence of having satisfactorily passed the Graduate Record Examination.

3. Applicants must have at least 1 year as a successful worker in the Cooperative Extension Service.
4. Students must maintain a *B* average in all courses taken in the Graduate School.
5. A normal course load in Graduate School is 15–16 hours per quarter.
6. The graduate program must be completed in 6 years.
7. Specific degree requirements:

Master of Science

1. A total of 45 quarter hours of credit must be earned. (Nine hours may be transferred from other accredited institutions.)
2. A minimum of 20 quarter hours must be taken in the Department of Agricultural Education.
3. A minimum of 9 hours must be taken outside of the Department of Agricultural Education.
4. A thesis is required.

Master of Education

1. A total of 52 quarter hours are required. (Nine hours may be transferred from other accredited institutions.)
2. A minimum of 20 hours must be taken in the Department of Agricultural Education.
3. A minimum of 12 hours must be taken in education and/or psychology with at least 6 hours in education.
4. A field study is required.

Doctor of Philosophy

1. A total of 135 quarter hours is required beyond the bachelor's degree. Forty-five hours must be taken before admission to candidacy and an additional 45 hours are required of which 20 must be taken after admission to candidacy.
2. Satisfaction of the foreign-language requirement is necessary. Two languages are required with a dictionary knowledge and one with a thorough reading knowledge.
3. The passing of a general examination is required for admission to candidacy.
4. The presentation of an acceptable dissertation embodying the results of original investigation is necessary.
5. In addition to major work in agricultural education, at least two other areas of specialization must be included.
6. The specific program is developed by the student, the departmental adviser, and the advisory committee.

Course Requirements and Electives

While there are no specific courses designated to meet the above requirements, the following courses are normally taken by extension workers since they have been developed specifically for them:

1. Agricultural Education 810—A different seminar is held each quarter for extension workers. The content of these seminars includes: Problems and issues in Extension Education, Leadership in Extension Education, and County Extension Administration.
2. Agricultural Education 850—Research Methods.
3. Agricultural Education 701—Special problems in Extension Education.
4. Agricultural Education 799—A—This is a 3-week workshop conducted each winter quarter for extension workers on program development.
5. Agricultural Education 611—Teaching Aids in Agricultural Education.

6. Agricultural Education 703—Methods in Teaching Agriculture.
7. Agricultural Education 797—Evaluation in Agricultural Educations.

The following areas are illustrative of the supporting areas and courses that may be selected to meet the requirements for a master's degree. Certain of these areas may also be selected as supporting areas in the Ph.D. program.

Agricultural Economics.....	Farm Management, Agricultural Policy, Marketing Agricultural Finance.
Agronomy.....	Soil Fertility, Soil and Crop Management Systems.
Animal Science.....	Animal Nutrition.
Education.....	Philosophy of Education, Guidance Services Administration.
Adult Education.....	Principles of Adult Education.
Home Economics Education..	Teaching Methods in Extension.
Journalism.....	A Course developed specifically for Extension workers "Communication Methods for Extension Workers."
Rural Sociology.....	Rural Social Organization, and Diffusion of Technology.
Statistics.....	At least three hours of statistics should be undertaken in the Social Science area.
Psychology.....	Educational psychology, counseling.

Financial Data

A number of Ohio State University fellowships are available for persons working at the master's level.

(These are open to students in all fields.)..... \$1,908 plus exemption from out-of-State fees

A number of Ohio State University fellowships are available for persons working at the doctorate level.

(These are open to students in all fields.)..... \$2,106 plus exemption from out-of-State fees

Fifty nonresident tuition scholarships each year..... \$375 per year

Research assistantships open to Extension personnel.

(Usually one per year.)..... \$2,400

Tuition and registration fees (per quarter)..... \$100

Tuition and registration fees for nonresidents (per quarter)..... \$225

Living expenses (estimated per quarter)..... \$400

Living Accommodations

In addition to the dormitories for single persons, the Ohio State University has 200 permanent apartments for married students. These were just recently completed. An additional 200 are under construction and scheduled for completion during the 1961-62 academic year. These are one- and two-bedroom units located less than a mile from the center of the campus.

All of these apartments are unfurnished except for range, refrigerator, and disposal. Rents of \$79.50 for one-bedroom units and \$89.50 for two-bedroom units include heat and water.

In addition to the apartments owned by the university, lists of rental houses and apartments near the campus are maintained in Room 309, Pomerene Hall, 1760 Neil Avenue, Columbus 10, Ohio.

Miscellaneous Information

The Ohio State University is located in Columbus, Ohio, on a campus of 679 acres. In addition there are 589 acres in the university airport, 295 acres in golf courses, and 1,217 acres in the university farms. The university has been engaged in graduate education since 1878. The Graduate School was officially organized in 1911.

Correspondence for admission to the Graduate School should be directed to the University Examiner, 190 North Oval Drive, Ohio State University, Columbus 10, Ohio.

OKLAHOMA STATE UNIVERSITY, Stillwater

A program of graduate study leading to the Master of Science degree with a major in rural adult education in agriculture or home economics is available to cooperative extension workers. Programs of graduate study leading to a Master of Science and a Doctor of Education degree with a major in home economics education emphasizing extension education is offered to home economics extension workers.

General Requirements

1. Admission to the Graduate School is granted to graduates of colleges and universities of recognized standing. Admission means that the student will be permitted to enroll for courses in the Graduate School. It does not necessarily imply that he will be admitted to a specific program or that he will be able to obtain a graduate degree within a minimum time.
2. An average grade of *B* is required in the major field and for all courses on the graduate study plan.
3. At the master's level:
 - a. A maximum of 8 semester credit hours taken at a recognized college may be accepted toward the degree.
 - b. The last 8 semester credit hours for the degree must be taken on the Stillwater campus.
 - c. Students are expected to complete the requirements for the degree within 6 years after registering for graduate credit either in residence, in courses taken off the campus, or from courses transferred from another institution.
4. At the doctoral level:
 - a. The candidate must be enrolled in residence on the campus for a minimum of one academic year of the last 2 years.
 - b. Students are expected to complete the degree requirements within 6 years after filing an intention to become a candidate for the degree.

Course Requirements and Electives

1. *Master of Science in Rural Adult Education, Agriculture or Home Economics*
 - a. This interdepartmental program leading to the master's degree has been planned to meet the peculiar needs for advanced training of persons engaged in cooperative extension work. The character of the program, though more general in scope than the traditional graduate program, would have as its goal the development of sufficient depth in the area of adult education to supplement the already established competencies in the various subject matter areas. Graduate courses would also be selected from those areas of subject matter in which the individual requires strengthening.
 - b. Required for admission is a baccalaureate degree in agriculture or home economics, or a related field and at least 2 years of successful experience in an area of work involving rural adults.

- c. A student must complete a minimum of one semester or summer session in residence on the Stillwater campus.
- d. A final examination is required.
- e. A minimum of 12 credit hours of courses numbered 500 or above must be taken.
- f. The following distribution of courses will be required:

Agriculture

- (a) A minimum of 32 hours of approved course work including a report having no more than 2 hours credit.
- (b) A minimum of 16 hours of agriculture courses exclusive of agricultural education.
- (c) No more than 4 hours of work in approved short courses.
- (d) No more than 6 hours of work in survey or problem courses exclusive of the report.
- (e) No more than 9 hours will be taken in any one field exclusive of the report.

Home Economics

*Semester
hours*

- | | |
|--|-------|
| (a) General education | 6-12 |
| (b) Special subject matter preparation | 10-16 |
| (c) Professional education | 6-9 |
| (d) Research methods or problem, or thesis | 4-8 |
| (e) Electives | 31-33 |

2. *Master of Science in Home Economics Education with Emphasis on Extension Education*

- a. To be eligible for candidacy for the master's degree, students are expected to have undergraduate preparation of a minimum of 30 semester hours of home economics subject matter distributed fairly evenly between all subject matter areas.
- b. Candidates must complete a minimum of 33 hours of approved course work including a report having a value of not more than 2 hours; or 31 hours of approved course work including a 3-6-hour thesis.
- c. The following distribution of courses is required:

*Semester
Credit Hours*

- | | |
|--|---------------|
| (1) Courses numbered 500 or above | minimum of 12 |
| (2) Professional education courses | minimum of 15 |
| Home Economics 5H1: Orientation for Graduate Students in Home Economics | 1 |
| Home Economics Education 502: Research Methods in Home Economics | |
| Home Economics Education 500: Research in Home Economics Education (problem or thesis) | 2-6 |
| Home Economics Education 520: Contemporary Home Economics Education | 3 |
| The remainder of the professional education courses may be taken in extension education, home economics education, or education. | |
| (3) The remaining 15 to 17 hours may be taken in home economics subject matter areas, general professional education and related fields. The student may select from one or more subject matter areas. | |

3. *Doctor of Education in Home Economics Education With Emphasis on Extension Education*

- a. To be eligible for admission to work for the Doctor of Education degree, the individual must have an undergraduate background in home economics to constitute a major of at least 30 semester hours, well distributed in various areas and sufficient work in

professional education courses to constitute a minor of 16 semester hours. The student must have sufficient experience in education to furnish a realistic background for the study of professional literature.

- b. A minimum of 90 semester hours beyond the bachelor's degree or 60 semester hours beyond the master's degree, including 10 semester hours for the dissertation is required.
- c. The following distribution of courses should be made:
 - (1) A major of at least 30 hours in professional extension education, home economics education, and education courses. This will include some work in philosophy, research methods, educational methods, and programing. The student may select additional courses in administration, supervision, guidance, evaluation, and other related areas.
 - (2) Approximately 20 hours in supporting courses in home economics, which may be in one or more areas.
 - (3) A dissertation which reflects the ability of the student to carry on independent investigation and to report results in a scholarly fashion, not to exceed 10 hours.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension.....	0
Annual worth of fellowship.....	
Number of teaching and research assistantships for Extension majors.....	0
Average stipend for assistantships.....	
Tuition and registration fees (per semester).....	\$7 per credit hour
Tuition and registration fees for nonresidents (per semester).....	\$18 per credit hour
Living expenses (per semester).....	\$300

Living Accommodations

Dormitory facilities are available for single men and women. Housing for married students is also available in university housing. Prices for both depend upon location and accommodations. Application for housing should be made as early as possible. Applicants should contact:

Mr. L. C. Thomas, Director of Single Student Housing,
Auxiliary Enterprises, Student Union Building, O.S.U.,
or

Mr. John A. Stevens, Director of Married Student Housing,
Oklahoma State University, Stillwater, Oklahoma

In the community, furnished rooms and both furnished and unfurnished apartments are available.

Miscellaneous Information

The Oklahoma State University offers study opportunities in a wide range of courses of interest to extension workers. The university library is one of the finest buildings of the Southwest and offers exceptional resources and study facilities.

Cultural opportunities associated with university life are available. Recreational and historical points of interest are within easy driving distance of Stillwater.

THE PENNSYLVANIA STATE UNIVERSITY, University Park

The master's degree program in extension education is interdisciplinary in nature, supervised by an interdepartmental committee. Degrees of Master of Agriculture and Master of Education are offered in this major field for candidates interested in agriculture or home economics. The program consists of a core of courses in communication and/or education and from two areas of agriculture and/or home economics.

General Requirements

1. The minimum requirement is 30 semester hours of graduate work.
2. Requirements include 12 credits of core courses; 6 credits in communication and/or education; and 12 credits in two areas of agriculture and/or home economics.
3. A professional paper must be written in which the student applies existing knowledge to an extension-oriented problem.
4. For entrance to the Master of Education or Agriculture program, a strong background in agriculture or home economics and a minimum of 12 credits in the social sciences are required; in addition, for the Master of Education, 18 credits in education.
5. Minimum residence required is one academic year of three terms (equivalent to two semesters).

Course Requirements and Electives

<i>Course</i>		<i>Credit</i>
Rural Sociology 515.....	Extension Organization and Methods.....	2
Rural Sociology 459.....	Rural Social Psychology.....	3
Educational Services 460.....	History, Philosophy, and General Organization and Administration of Adult Education	1
Educational Services 462.....	Methods in Adult Education and Leadership of Discussion Groups.....	1
Agricultural Economics 525 or General Home Economics 516	Research Methods.....	2
Rural Sociology 551.....	Seminar on Extension Problems or (general Home Economics 530)	3
		<hr/> 12

A wide range of electives is permitted for the 6 credits in communication and/or education and for the 12 credits in two areas of Agriculture and/or Home Economics.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension.	0
Annual worth of fellowships.....	..
Number of teaching and research assistantships for Extension majors.....	Several
Average stipend for assistantships (per month)	\$200
Tuition and registration fees (per term)	\$160
Tuition and registration fees for nonresidents (per term).....	\$320
Living expenses (per term)	\$300

Living Accommodations

Eastview Terrace and Graduate Circle provide one- and two-bedroom apartments for married graduate students. In Eastview Terrace 46 one-

bedroom units rent for \$65 per month and 32 two-bedroom units for \$75. Units are unfurnished except for electric stove and refrigerator.

Graduate Circle has 144 one-bedroom and 72 two-bedroom apartments renting for \$82.50 and \$92.50 per month.

Graduate Hall and Grange Hall, both located on campus, provide housing for single students, both men and women. Off-campus housing for both married and single students is also available.

Miscellaneous Information

The Pennsylvania State University is located at University Park in the geographic center of the State. The campus is contiguous to the Borough of State College, a populated area of about 25,000 people. Student enrollment on campus is about 18,000.

Ample recreational opportunities are available not only on campus, with such facilities as 18-hole golf course, ice skating rink, tennis courts, and gymnasium, but also in the nearby mountains for camping, hunting, fishing, and the like.

UNIVERSITY OF PUERTO RICO, Mayaguez

The College of Agriculture of the University of Puerto Rico offers graduate courses leading to the degree of Master of Science in Agriculture with a major in agricultural extension.

General Requirements

1. Candidates must hold a B.S. degree or its equivalent from a accredited institution.
2. Candidates should satisfy the Graduate Committee that the student is prepared to pursue graduate studies in his major field. Undergraduate courses may have to be prescribed to remove deficiencies in their undergraduate training.
3. Applicants should have a minimum general grade index of 2.5 and 3.0 in the major field on the basis of 4.0 for *A*, 3.0 for *B*, 2.0 for *C* and 1.0 for *D*.
4. Approval of the student's application by the Department concerned and by the dean of the Graduate School.
5. At the time of registration the applicant will indicate his intention to be a candidate for the master's degree. After admission to candidacy his choice must be approved by the Graduate Committee.
6. A total of 24 credit hours of course work (no more than six can be transferred from other institution) and 6 credit hours of thesis research are required. The candidate must complete a minimum of 15 credits in the field of agricultural extension and six in the minor or related fields.
7. A minimum of 2 semesters residence or its equivalent.
8. Courses approved with less than *B* carry no graduate credit.
9. A working knowledge of English and Spanish is required.
10. The candidate must pass a comprehensive oral and written examination at the completion of his program.

Course Requirements and Electives

The courses for the graduate major in agricultural extension are to be selected from those listed below, upon the recommendation of the Graduate Committee and according to the needs and interest of the graduate student.

Graduate Courses in Agricultural Extension

Agricultural Extension 495	Rural Sociology
Agricultural Extension 501	Community Organization and Leadership
Agricultural Extension 511	Group Dynamics
Agricultural Extension 531	Principles and Philosophy of Adult Education
Agricultural 553	Rural Youth Programs
Agricultural Extension 533	Principles of Extension Teaching
Agricultural Extension 534	Psychology in Extension Education
Agricultural Extension 541	Program Development in Extension
Agricultural Extension 542	Advanced Seminar in Extension Problems
Agricultural Extension 543	Administration and Supervision in Extension Education
Agriculturel Extension 552	Evaluation in Extension
Agricultural Extension 554	Research in Extension Education
Agricultural Extension 555	Social Research Methods
Agricultural Extension 556	Rural Sociology Theory
Agricultural Extension 557	Rural Social Problems
	Research and Masters' Thesis

Financial Data

Number of fellowships available to graduate students in Agricultural Extension	0
Annual worth of fellowships	
Number of teaching and research assistantships for Extension majors	0
Average stipend for assistantship	
Tuition and registration fees (per semester)	\$16 plus \$6 per credit
Living expenses (average per semester)	\$260-\$300

Living Accommodations

The College of Agriculture and Mechanic Arts at Mayaguez can accommodate a limited number of graduate students in the Darlington Apartments and College Dormitories. Most of the students live in private homes. Information about living accommodations can be obtained by writing to the Dean of Students, College of Agriculture and Mechanic Arts, Mayaguez, P.R.

There is a modern cafeteria and bookstore at the Student Center located at the campus.

Miscellaneous Information

Most of the textbooks used are in English but classes are conducted in English only when lectured by continental professors. However, provisions can be made in those classes taught in English to handle some discussion periods in Spanish if the request is presented with enough time to make the necessary arrangements.

UNIVERSITY OF TENNESSEE, Knoxville

Programs of graduate study leading to the degree Master of Science with a major in agricultural extension or home economics extension are offered at the University of Tennessee.

General Requirements

Candidates for master's degrees will meet the general requirements set forth by the Graduate School of the University of Tennessee.

A total of 45 credits is needed for completion of the master's degree.

Each student who majors in agricultural extension or in home demonstration methods (home economics extension) either writes a thesis or three problems in lieu of a thesis.

Course Requirements and Electives

A student who majors in agricultural extension or in home demonstration methods will have a wide choice of course offerings from the areas throughout the university. Each student will select one or two minor fields in which he or she will meet requirements of the minor department. A minor will include not less than 9 nor more than 18 quarter credit hours of course work.

To add depth and breadth to the graduate program, a student selects courses from a wide variety of offerings in economics, sociology, psychology, statistics and research methodology, supervision and administration, and others, as well as the technical subject matter fields of agriculture and home economics. He or she has the opportunity to develop programs to fit individual needs and interests.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension.....	1 home economics
Annual worth of fellowship.....	\$1,000 plus waiver of tuition and fees.
Number of teaching and research assistantships for Extension majors.....	0
Average stipend for assistantship.....	
Tuition and registration fees (per quarter).....	\$75
Tuition and registration fees for nonresidents (per quarter).....	\$175
Living expenses (average per quarter).....	\$250

Living Accommodations

Some graduate students are housed in university apartments. Others live in private homes. A few apartments for married students are available. They vary in size and cost. For housing information write to the Dean of Students, the University of Tennessee, Knoxville.

The university operates modern cafeterias in Sophronia Strong Hall and in the University Center Building. These cafeterias are open to all university students.

Miscellaneous Information

The University of Tennessee is located in the city of Knoxville. Many of the facilities of the Tennessee Valley Authority are located in and near Knoxville. The Oak Ridge Research Laboratories are within a few miles. The scenic beauty of the Great Smoky Mountains is 40 miles away.

To promote cultural values and to stimulate students in' developing standards of taste, the university offers, in addition to courses of study, appropriate activities and facilities through the College of Liberal Arts and other university units and organizations. Selected cultural attractions each year include special art exhibitions; the University Singers, the Opera Workshop, the University Bands, and the University Concert Series.

WASHINGTON STATE UNIVERSITY, Pullman

Programs of study are offered leading to the degree of Master of Extension. This is designed primarily to provide advanced Cooperative Extension Service training. The degree may be secured by either men or women.

General Requirements

1. The applicant must furnish official transcripts of all prior college or university work to the Graduate School office. Transcripts must be mailed from the institutions where the work was taken directly to the Graduate School office.
2. A student should secure admission to the Graduate School prior to his arrival at Washington State University.
3. An average of *B* (3.0) or its equivalent for the last half of undergraduate work, and also for any graduate work at any recognized graduate school, is required for regular student status. Provisional status may be granted in certain instances. (See the Graduate School Bulletin for details.)

Course Requirements and Electives

1. Extension:	<i>Hours</i>
In-course work	5
Seminar	2
Subtotal	7
2. Major in-course work	12-16
The student will be expected to take a concentration of courses in a department or two closely related departments in the social sciences (including education, economics, agricultural economics, and business), technical agriculture or home economics. If the major work is in two departments, it must include at least 15 semester hours; if it is in one department only, a minimum of 12 semester hours is required.	
3. Supporting in-course work. If the major area of concentration is in technical agriculture or home economics, the student will be expected to take his supporting courses in the areas of the social sciences and the humanities.	
4. Special problems (in extension or other appropriate area	2-4
Total	32
5. Research—none.	
6. Thesis—none.	
7. Foreign language examination—none.	
8. Final oral examination.	

NOTE: A minimum of 20 semester hours of work must be earned in residence—a total not to exceed 8 semester hours of transfer credit from a recognized graduate school and extension class credit earned through the general extension service of the State university may be accepted toward requirements for this degree. Of the in-course work, 50 percent or more of the total must be “G” or higher level; the balance must be designated “g” or higher. During the last half of the program, there must be written and oral reports based on the special problems.

9. Courses available in extension:		<i>Credit</i>
Course		
Agricultural Extension 401	Extension Methods	3
Agricultural Extension 501	Advanced Methods in Cooperative Extension	2
Agricultural Extension 510	Development and Evaluation of Cooperative Extension Programs	3
Agricultural Extension 511	Seminar	1-2
Agricultural Extension 599	Special Problems	1-4

Financial Data

Number of annual fellowships available to graduate students in Extension Education	1
Average value of fellowships (per year)	\$600
Number of teaching and research assistantships for Extension Education majors .	0
Average stipend (annual) for teaching and research assistantships	
Tuition and registration fees (per semester)	\$125
Tuition and registration fees for nonresidents (per semester)	\$300
Living expenses (average per semester)	\$375

Living Accommodations

Dormitory facilities for single men and women are readily available. Housing for married students is also available in college housing. Prices for both depend upon location and size of accommodation. Applications for housing should be made as early as possible. Applicants should contact the College Housing and Food Service, Room 11, Administration Building, for details. Some rooms and apartments are available in private homes and apartment buildings in Pullman.

Miscellaneous Information

Washington State University offers fine library and study opportunities in a wide range of courses of interest to extension workers. Located here is the main experimental center for agriculture and home economics. Cultural opportunities associated with college life are amply available. Recreational and historical points of interest are abundant in the Pacific Northwest area. Most of these are within easy driving distance from Pullman.

UNIVERSITY OF WISCONSIN, Madison

Both the Master of Science and the Ph. D. degrees are offered in cooperative extension with major emphasis on education and administration at the University of Wisconsin. Graduate programs in cooperative extension are under the supervision of the Department of Agricultural and Extension Education, the Department of Home Economics Education and Extension, and the National Agricultural Extension Center for Advanced Study. Students must satisfy all requirements of the Graduate School. The student's program is planned and supervised by a faculty committee appointed by the Graduate School.

General Requirements for the Master's Degree

1. The candidate must offer a minimum of two semesters of residence credit of which at least one must have been earned at the University of Wisconsin.
2. A candidate must earn a minimum of 18 credits of course work, equally distributed over 2 semesters (or proportionate course work in summer sessions) and complete a thesis or seminar report which carries 3 to 5 credits.
3. A grade average of B or better must be maintained to be eligible for the degree.

4. The candidate must pass a comprehensive examination on the graduate work offered in support of his candidacy. At the option of the department concerned, the examination may be oral, written, or both.
5. At the option of the major department, a candidate for the master's degree is required to prepare a thesis or a seminar report.
6. If the candidate does no graduate work for a period of five or more consecutive years he will be required to start the work again.

Course Requirements and Electives for Master's Degree*

The candidate selects 9 to 12 credits of course work for the Department of Agricultural and Extension Education, or home economics education and extension and closely related fields. Additional course work up to approximately 24 credits may be selected from other fields with the approval of the candidate's committee. No specific courses are required of all students. Electives vary with the student's needs and interests.

Financial Data

Number of fellowships available to graduate students in Agricultural Extension Administration.	Approximately 25 for center students
Annual worth of fellowship.	Up to \$400 per month
Number of teaching and research assistantships for Extension majors.	10
Average stipend for assistantships.	\$1.965 for 10 months
Tuition and registration fees (per semester).	\$123
Tuition and registration fees for nonresidents (per semester).	\$365
Living expenses (average per semester).	\$400

Living Accommodations

Some housing is available for married students with children. There is available a limited number of married students' apartments at the University of Wisconsin Eagle Heights Apartments. There are also numerous private housing opportunities available in Madison and surrounding towns and villages. Costs for rentals are in the approximate range of \$85 to \$150 per month for one- and two-bedroom apartments and furnished homes. Married couples who cannot find suitable accommodations at the beginning of the year can usually improve their situation after school is underway. Apartments and light housekeeping accommodations throughout the city are listed as they become available. There are no residence halls for graduate women students, but several smaller units are reserved for them. Some have kitchen privileges. Rooms in private homes are available.

It is advisable for married students to make application for housing early, or not to bring their families until housing arrangements have been made. A complete listing of housing of all types is available through the Housing Bureau at 434 Sterling Court, Madison, Wis.

Miscellaneous Information

Besides being located in the State capital, the university offers a diversified program of recreational activities and a rich and varied program of social and cultural opportunities.

* For details on the Ph. D. program and/or the policy concerning eligibility for fellowships and assistantships in the National Agricultural Extension Center for Advanced Study, you should write to Dr. Robert C. Clark, Director of the Center Room 42, Agricultural Hall, Madison 6, Wis.

The Memorial Union Building, governed by a student-faculty-alumni board, is the hub of most campus activities and the gathering place for recreational and cultural events. In addition, it provides dining service, from table d'hôte to cafeteria, with hotel rooms for guests. Theater, movies, art exhibits, and discussion forums are regular features.

The university's famed Pro Arte Quartet, University Chorus concerts, band programs, and a concert series of world-famous musical artists provide a wealth of opportunity for music appreciation.

Professional theater road shows, ballet, and opera companies are presented regularly in the Union Theater where productions by the Wisconsin Players and the Department of Speech are also shown.

Some of the associated scientific institutions of the university include the Forest Products Laboratory, Washburn Observatory, and the State Historical Society.

FOR ADDITIONAL INFORMATION

If you would like more detailed information about particular graduate programs for extension workers, graduate fellowships, and other types of financial aid, you may write to the following persons:

UNIVERSITY OF ARIZONA, Tucson. Dr. R. W. Cline, Head, Department of Agricultural Education, College of Agriculture.

UNIVERSITY OF CALIFORNIA, Davis. Dr. Robert L. Johnson, Assistant Professor, Department of Education.

COLORADO STATE UNIVERSITY, Fort Collins. Howard D. Finch, Associate Professor Extension Education, College of Agriculture.

UNIVERSITY OF FLORIDA, Gainesville. Dr. Shaw E. Grigsby, Associate Professor, College of Agriculture.

UNIVERSITY OF GEORGIA, Athens. Dr. J. J. Lancaster, Head, Department of Extension Education, College of Agriculture.

PURDUE UNIVERSITY, Lafayette, Ind. Dr. Einar Ryden, Associate Professor of Extension Personnel Training, College of Agriculture.

KANSAS STATE UNIVERSITY, Manhattan. Dr. Wilber E. Ringler, Professor, College of Agriculture.

UNIVERSITY OF KENTUCKY, Lexington. Dr. C. Milton Coughenour, Acting Director of Graduate Study, Agricultural Experiment Station, Department of Rural Sociology.

LOUISIANA STATE UNIVERSITY, Baton Rouge. Dr. L. L. Pesson, Associate Professor of Agricultural Education, College of Agriculture.

UNIVERSITY OF MARYLAND, College Park. Dr. V. R. Cardozier, Professor and Head, Department of Agricultural and Extension Education.

MICHIGAN STATE UNIVERSITY, East Lansing. Dr. Jack C. Ferver, Leader, Extension Personnel Development Programs, Institute for Extension Personnel Development.

MISSISSIPPI STATE UNIVERSITY, State College. H. J. Putnam, Leader, Extension Studies and Training, Extension Service.

UNIVERSITY OF MISSOURI, Columbia. F. E. Rogers, Professor of Extension Education, College of Agriculture.

NEW MEXICO STATE UNIVERSITY, University Park. L. S. Kurtz, Assistant Director, Extension Service.

NEW YORK STATE COLLEGE OF AGRICULTURE, CORNELL UNIVERSITY, Ithaca. Dr. J. Paul Leagans, Professor of Extension Education, Rural Education Department, College of Agriculture.

OHIO STATE UNIVERSITY, Columbus. Dr. Robert W. McCormick, Associate Professor, Department of Agricultural Education, College of Agriculture.

OKLAHOMA STATE UNIVERSITY, Stillwater. Dr. Betty Jean Brannan, Field Studies and Training Specialists, Extension Service.

PENNSYLVANIA STATE UNIVERSITY, University Park. Dr. Emory J. Brown, Professor of Rural Sociology and Extension Studies, College of Agriculture.

UNIVERSITY OF PUERTO RICO, Mayaguez. Frederico G. Blay, Special Assistant to the Dean, Faculty of Agriculture.

UNIVERSITY OF TENNESSEE, Knoxville. Dr. Lewis Dickson, Professor of Agricultural Extension Methods, College of Agriculture.

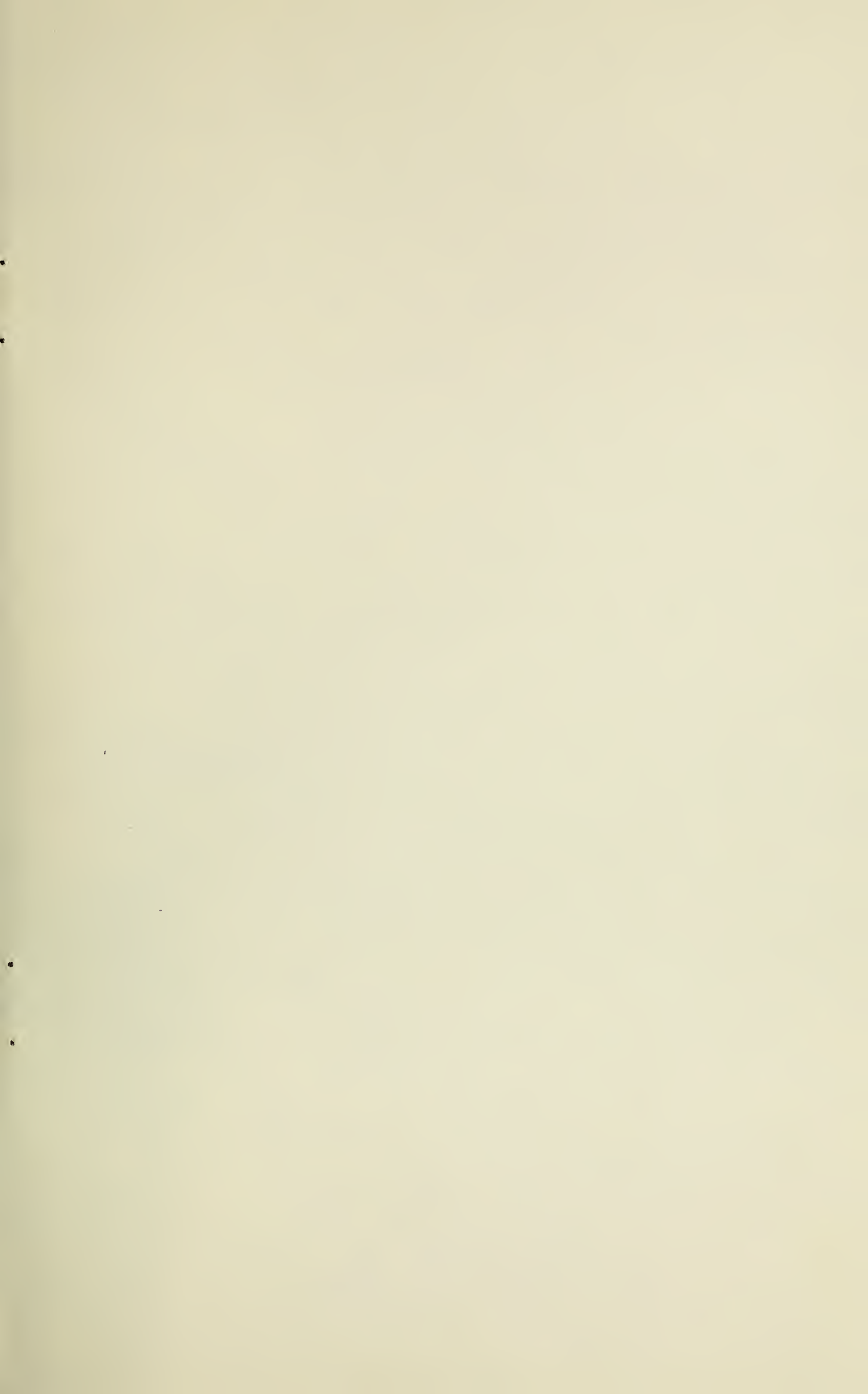
WASHINGTON STATE UNIVERSITY, Pullman. E. J. Kreizinger, Professor, College of Agriculture.

UNIVERSITY OF WISCONSIN: Madison:
Dr. W. T. Bjoraker, Head, Department of Agricultural and Extension Education, College of Agriculture.
Dr. Robert C. Clark, Professor and Director, National Agricultural Extension Center for Advanced Study.

Cooperative Extension Work: United States Department of Agriculture and State Land-Grant Colleges and Universities Cooperating.

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